

AB Title compds. I [R1, R2 = alkyl, (alkyl-substituted) cycloalkyl; R3-R6 = H, alkyl, cycloalkyl, aralkyl, pyridyl, Ph; X = O, S; m, n = 1-6] are prepd. I are useful for controlling accumulation of cholesterol ester on the smooth muscle of arterial walls. Treatment of N,N'-dicycloheptyl-m-xylenediamine (prepn. given) with 2,4-difluorophenylisocyanate in hexane gave II (R1 = R2 = cycloheptyl, R3 = R5 = 2,4-F2C6H3). The latter showed an IC50 of 1.8 .times. 10⁻⁸ M against ACAT.

ACCESSION NUMBER: 1990:55271 CAPLUS
DOCUMENT NUMBER: 112:55271
TITLE: Bis(ureidoalkyl)benzenes for inhibition of
acylcoenzyme A cholesterol acyltransferase (ACAT)
INVENTOR(S): Ito, Noriki; Yasunaga, Tomoyuki; Iizumi, Yuichi;
Araki, Tomio
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 325397	A1	19890726	EP 1989-300380	19890117
EP 325397	B1	19930818		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CN 1034538	A	19890809	CN 1989-100286	19890114
CN 1021819	B	19930818		
AT 93230	E	19930915	AT 1989-300380	19890117
ES 2059714	T3	19941116	ES 1989-300380	19890117
HU 50116	A2	19891228	HU 1989-211	19890118
HU 207843	B	19930628		
DK 8900222	A	19890721	DK 1989-222	19890119
JP 02117651	A2	19900502	JP 1989-11717	19890119
AU 8928669	A1	19891005	AU 1989-28669	19890120
AU 627439	B2	19920827		
US 5091419	A	19920225	US 1990-593516	19901002
US 5166429	A	19921124	US 1991-764617	19910924
US 5227492	A	19930713	US 1992-906735	19920630
US 5384425	A	19950124	US 1993-64850	19931007
PRIORITY APPLN. INFO.:			JP 1988-10098	19880120
			JP 1988-180119	19880719
			US 1989-296443	19890111
			EP 1989-300380	19890117
			US 1990-592604	19901004
			US 1991-764604	19910924
			US 1991-764617	19910924
			US 1992-906735	19920630

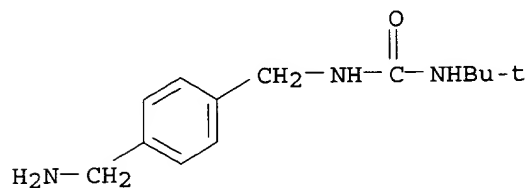
OTHER SOURCE(S): MARPAT 112:55271
IT 124885-17-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(prepn. and reaction of, in prepn. of acyl CoA cholesterol
acyl-transferase inhibitors)

RN 124885-17-2 CAPLUS

CN Urea, N-[[4-(aminomethyl)phenyl]methyl]-N'-(1,1-dimethylethyl)- (9CI) (CA
INDEX NAME)



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NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update
frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
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NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded

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0.21

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DICTIONARY FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6

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Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

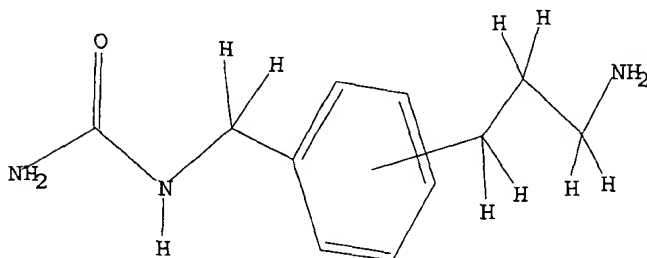
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L1 STRUCTURE UPLOADED

=> d query

L1 STR



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=> s l1

SAMPLE SEARCH INITIATED 15:45:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1359 TO ITERATE

73.6% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 24969 TO 29391
PROJECTED ANSWERS: 0 TO 0

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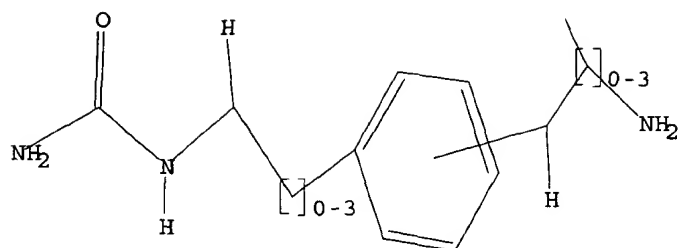
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L3 STRUCTURE UPLOADED

=> d query
L3

STR



Structure attributes must be viewed using STN Express query preparation.

=> s l3

SAMPLE SEARCH INITIATED 15:48:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3384 TO ITERATE

29.6% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 64193 TO 71167
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s l3 full

FULL SEARCH INITIATED 15:48:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 67841 TO ITERATE

100.0% PROCESSED 67841 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.05

L5 7 SEA SSS FUL L3

=> fil caplus

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FULL ESTIMATED COST	142.56	142.77

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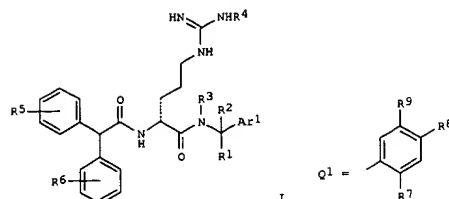
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=> s 15

L6 5 L5

=> d 16 1-5 abs ibib hitstr

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
GI



AB Pharmaceutically useful title compds. I [Arl = Q1, 1-naphthyl, 2-naphthyl (un)substituted by OH, halo, Cl-7 alkoxy; R1 = CONH2, Cl-4 alkyl optionally substituted or terminated by one or more OH or amino groups; R1R7 = C2-3 alkylene; R4 = H, Cl-7 alkyl, Cl-4 alkyl-Ph wherein the Ph group may be substituted by one or more OH or Cl-4 alkoxy groups; R5, R6

" independently H, OH, Cl-4 alkyl, Cl-4 alkoxy, halo; R7 = H, OH; R8 = H, halo, OH, Cl-7 alkoxy, Ph, PhO, PhCH2O, (CH2)nCONR10R11, (CH2)nNHCONR10R11, O(CH2)nCO2R10; R9 = H, halo, OH, Cl-7 alkoxy; R2, R3, R10, R11 = independently H, Cl-7 alkyl; n = 1-4] and pharmaceutically acceptable derivs. thereof, are provided which are useful as antagonists of neuropeptide Y and in particular in the treatment of cardiovascular diseases, for example vasoconstriction. Thus, amidation of Boc-D-Orn(CH2)-OH with (R)-4-methoxy- α -methylbenzylamine, followed by acidic N. α . deprotection, amidation with o-nitrophenyl diphenylacetate (prepn. given), hydrogenolysis, guanylation with N,N'-bis(benzyloxycarbonyl)-S-methylisothiourea and final hydrogenolysis gave desired title compd. I [R1 = (R)-Me; R2 = R3 = R4 = R5 = H; Ar1 = C6H4OMe-4]. All prepd. compds. I exhibit IC50 values of less than 5.0 μ M in a neuropeptide Y1 receptor assay.

ACCESSION NUMBER: 1999:222912 CAPLUS
DOCUMENT NUMBER: 130:252673
TITLE: Preparation of diphenylacetylarginine amide derivatives as new neuropeptide Y antagonists
INVENTOR(S): Bergman, Nils-Ake; D'Ambra, Thomas; Pilling, Garry
PATENT ASSIGNEE(S): Astra Aktiebolag, Swed.
SOURCE: FCT Int. Appl., 140 pp.
CODEN: PIXX2D
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9915498	A1	19990401	WO 1998-SE1686	19980921
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GM, GR, HU, ID, IL, IS, JP, KE, KG,			

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB Title compds. T-2-CONHCH(CH2B)CO-Y-(CH2)nR [I; T = (un)substituted Ph, naphthyl, heteroatom, N, O, S, or T1T2U; T1, T2 = (un)substituted Ph; U = H, alkoxy, OPh; Z = bond, O, NH, CH2, CH2CH2, CH2O, CH2NH; B = amidine-contg. group; Y = O, NR1; R1 = H, (un)substituted alkyl, CH2Ph; n = 1-3; R = (un)substituted Ph], neuropeptide Y antagonists, were prepd. Thus, (R)-R2NHC((NH)NH(CH2)3CH(NHR3)CONHR4 [II; R2 = 2,2,5,7,8-pentamethylchroman-6-sulfonyl (Pmc); R3 = Fmoc; R4 = CH2C6H4CH2NHCO2CH2Ph] was prepd. from Fmoc-D-Arg(Pmc)OH and 4-PhCH2O2CNHCH2C6H4CH2CONH2, Fmoc-deprotected, and diphenylacetylated, to give II (R2 = Pmc; R3 = COCHPh2; R4 = CH2C6H4CH2NH2-4), which was N-acetylated and deprotected to give II-trifluoroacetate (R2 = H; R3 = COCHPh2; R4 = CH2C6H4CH2NHAc-4).

I showed activity as neuropeptide Y antagonists in both in vitro (at 10-8 to 10-5 M) and in vivo tests (at 0.001 to 10 mg/kg).
ACCESSION NUMBER: 1997:473595 CAPLUS
DOCUMENT NUMBER: 127:81788
TITLE: Preparation of amino acid derivatives as neuropeptide Y antagonists
INVENTOR(S): Engel, Wolfhard; Eberlein, Wolfgang; Rudolf, Klaus; Doods, Henkil; Wieland, Heike-Andreas; Willim, Klaus-Dieter; Entzeroth, Michael; Wienen, Wolfgang
PATENT ASSIGNEE(S): Dr. Karl Thomae GmbH, Germany
SOURCE: Ger. Offen., 117 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

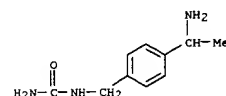
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19544687	A1	19970605	DE 1995-19544687	19951130
WO 9719911	A1	19970605	WO 1996-EP5222	19961126
W:	CA, JP, MX, US			
RW:	AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,			

SE EP 885186 A1 19981223 EP 1996-941032 19961126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
JP 2000501390 T2 20000208 JP 1997-520166 19961126
US 6114390 A 20000905 US 1997-950113 19971014
PRIORITY APPLN. INFO.: DE 1995-19544687 A 19951130
US 1996-EP5222 W 19961126
US 1998-945048 A 19980210

OTHER SOURCE(S): MARPAT 127:81788
IT 191868-11-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of amino acid derivs. as neuropeptide Y antagonists)
RN 191868-11-8 CAPLUS
CN Urea, [[4-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, NR, NE, SN, TD, TG
ZA 9808353 A 19990323 ZA 1998-8353 19980911
CA 2303528 AA 19990401 CA 1998-2303528 19980921
AU 9892889 A1 19990412 AU 1998-92889 19980921
EP 1017672 A1 20000712 EP 1998-945708 19980921
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
BR 9812492 A 20000926 BR 1998-12492 19980921
JP 2001517651 T2 20011009 JP 2000-512808 19980921
US 6127414 A 20001003 US 1998-171779 19981026
NO 2000001483 A 20000523 NO 2000-1483 20000322
PRIORITY APPLN. INFO.: SE 1997-3414 A 19970923
WO 1998-SE1686 W 19980921

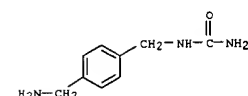
OTHER SOURCE(S): MARPAT 130:252673
IT 221670-77-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of diphenylacetylarginine amide derivs. as new neuropeptide Y antagonists)
RN 221670-77-5 CAPLUS
CN Urea, [[4-(1-aminoethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



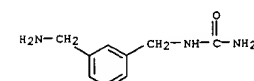
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

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L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)

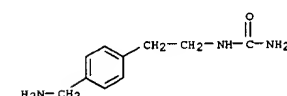


IT 191868-28-7F 191871-78-0F
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of amino acid derivs. as neuropeptide Y antagonists)
RN 191868-28-7 CAPLUS
CN Urea, [[3-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 191871-78-0 CAPLUS
CN Urea, [2-[4-(aminomethyl)phenyl]ethyl]-, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

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CRN 191871-77-9
CMF C10 H15 N3 O



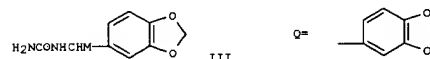
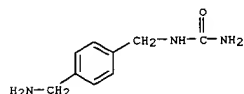
CM 2
CRN 76-05-1
CMF C2 H F3 O2



L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS
 AB Amino acid derivs. R(CH₂)_nXCONHCH(C₆H₄NHC(:NR₁)NR₂R₃)COY(CH₂)_mC₆H₄R₄ [R = (un)substituted Ph, 1- or 2-naphthyl, heterocyclyl; n = 0, 1, 2; X = single bond, O, NH; R₁ = H, (un)substituted alkyl or cycloalkyl, etc.; R₂ = H, alkyl, (un)substituted phenyl; R₃ = H, alkyl; Y = O, NH, alkyl- or benzylamino; m = 1, 2; R₄ = H, halo, cyano, alkyl, etc.] were prepd. for use as drugs, esp. as selective neuropeptide Y (NPY) antagonists. Thus, (R,S)-3-(aminoininomethylamino)-.alpha.-[(diphenylacetyl)amino]-N-[(4-hydroxyphenyl)methyl]-benzeneacetamide hydrochloride by a multistep procedure starting from .alpha.-amino-3-nitrobenzeneacetic acid, diphenylacetyl chloride, 4-hydroxybenzylamine, and cyanamide. The claimed compds. show in vitro NPY antagonist activity at a dosage of 0.001-10 mg/kg.

ACCESSION NUMBER: 1997:473593 CAPLUS
 DOCUMENT NUMBER: 127:95607
 TITLE: Preparation of amino acid derivatives as drugs
 INVENTOR(S): Engel, Wolfhard; Eberlein, Wolfgang; Rudolf, Klaus; Doods, Henri; Wieland, Heike-Andrea; Willim, Klaus-Dieter
 PATENT ASSIGNEE(S): Dr. Karl Thomae GmbH, Germany
 SOURCE: Ger. Offen., 50 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19544685	A1	19970605	DE 1995-19544685	19951130
CA 2235937	AA	19970605	CA 1996-2235937	19961126
WO 9719913	A1	19970605	WO 1996-EP5217	19961126
W: CA, JP, MX, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE EP 865425	A1	19980923	EP 1996-940649	19961126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000501090	T2	20000202	JP 1997-520164	19961126
US 5962530	A	19991005	US 1998-77629	19980529
PRIORITY APPLN. INFO.: DE 1995-19544685 19951130 WO 1996-EP5217 19961126				
OTHER SOURCE(S): MARPAT 127:95607				
IT 191868-11-8 RL: RCT (Reactant); RACT (Reactant or reagent) (prepn. of amino acid derivs. as neuropeptide Y antagonists)				
RN 191868-11-8 CAPLUS				
CN Urea, [[4-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)				

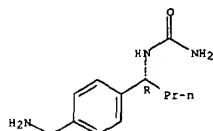


AB The invention provides haptens H₂NC(O)NHCH(M) (Z1) (M = allyl, (R)-.alpha.-Pr; Z1 = Q), as well as a carrier-hapten complex comprising a carrier and III (M as above; X = spacer). The amt. of human leukocyte elastase-inhibitor complex formed by administration of a beta-lactam inhibitor is detd. by disocg. the complex to yield the hapten. N-substituted azetidinones are a class of inhibitors of human leukocyte elastase known to be useful in the treatment of inflammatory and degenerative diseases. In inhibiting elastase, the therapeutic agents are shown to form a characteristic stable complex with the enzyme. In the assays disclosed in the invention, the inhibitor-enzyme complex is hydrolyzed, and specific product(s) of the hydrolysis are measured. The assays are useful in a clin. setting for detg. appropriate dosage and assessing the effectiveness of treatment. Prepn. of compds. of the invention is included.

ACCESSION NUMBER: 1995:518932 CAPLUS
 DOCUMENT NUMBER: 122:256392
 TITLE: Urea derivative haptens, and assay for evaluating inhibition of polymorphonuclear leukocyte elastase by N-substituted azetidinones
 INVENTOR(S): Finke, Paul E.; Hagmann, William K.; Hanlon, William A.; Humes, John L.; Knight, Wilson B.; Maccoss, Malcolm; Mumford, Richard A.; Shah, Shrenik K.
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA
 SOURCE: Brit. UK Pat. Appl., 60 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2280673	A1	19950208	GB 1994-14742	19940721
US 5420010	A	19950530	US 1993-100532	19930730
PRIORITY APPLN. INFO.: US 1993-100532 19930730				
OTHER SOURCE(S): MARPAT 122:256392				
IT 162653-90-9P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (urea deriv. haptens, their prepn., and assay for evaluating inhibition of polymorphonuclear leukocyte elastase by azetidinone derivs.)				
RN 162653-90-9 CAPLUS				
CN Urea, [1-[4-(aminomethyl)phenyl]butyl]-, (R)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



AB Me 5-(2-aminoethyl)salicylate-HCl in EtOH was treated with NaOH and BzH, and NaBH₄ added to give Me 5-[2-(benzylamino)ethyl]salicylate (I)-HCl. I was reduced with LiAlH₄ in THF to give, after addn. of HOAc, 5-[2-(benzylamino)ethyl]saligenin acetate. Among 16 examples of the

title

deriva. were [5-(2-aminoethyl)-2-hydroxyphenyl]urea-HCl, N-[5-(2-aminopropyl)salicyl]methanesulfonamide, and 5'-[2-[(p-methoxyphenyl)-1-methylpropyl]amino]ethyl]-2'-hydroxyformanilide.

ACCESSION NUMBER: 1971:435408 CAPLUS

DOCUMENT NUMBER: 75:35408

TITLE: Hypotensive phenethylamine derivatives

INVENTOR(S): Jack, David; Hartley, David; Lunts, Lawrence H. C.

PATENT ASSIGNEE(S): Allen and Hanburys Ltd.

SOURCE: S. African, 31 pp.

CODEN: SFXKAB

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

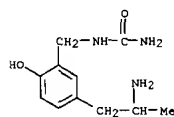
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 1263987	A	19720216	GB 1969-27407	19690530
CA 960690	A1	19750107	CA 1970-83555	19700521
US 3689524	A	19720905	US 1970-41053	19700527
SE 372934	B	19750120	SE 1970-7377	19700528
BE 751190	A	19701130	BE 1970-751190	19700529
NL 7007861	A	19701202	NL 1970-7861	19700529
FR 2051566	A1	19710409	FR 1970-19818	19700529
FR 2051566	A5	19710409		
CH 536815	A	19730629	CH 1970-8021	19700529
DK 130921	B	19750505	DK 1970-2776	19700529
JP 53030701	B4	19780829	JP 1970-46846	19700530
US 3803230	A	19740409	US 1972-254808	19720518
JP 54007782	B4	19790410	JP 1978-9193	19780130
PRIORITY APPLN. INFO.:			GB 1969-27407	19690530
			US 1970-41053	19700527

IT 32550-87-1P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 32550-87-1 CAPLUS

CN Urea, [5-(2-aminopropyl)salicyl]- (8CI) (CA INDEX NAME)



=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	24.72	167.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.10	-3.10

FILE 'REGISTRY' ENTERED AT 15:52:58 ON 01 JUL 2002
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STRUCTURE FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6
 DICTIONARY FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

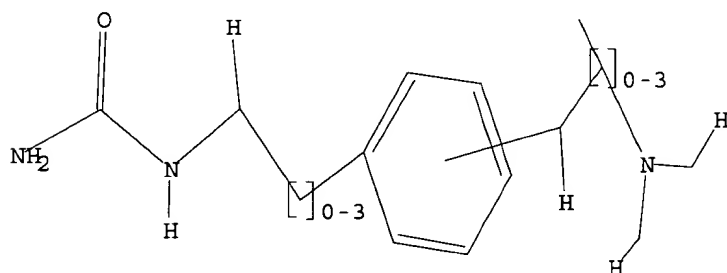
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
 for more information. See STNote 27, Searching Properties in the CAS
 Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
 Uploading 09555575.str

L7 STRUCTURE UPLOADED

=> d query
 L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 17
 SAMPLE SEARCH INITIATED 15:53:21 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1317 TO ITERATE

75.9% PROCESSED 1000 ITERATIONS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 24164 TO 28516
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> d l7 full

L7 HAS NO ANSWERS

'FULL ' IS NOT A VALID STRUCTURE FORMAT KEYWORD

Structure Formats

SIA ----- Structure Image, Attributes, and map table if it contains
data. (Default)

SIM ----- Structure Image.

SAT ----- Structure ATtributes and map table if it contains data.

SCT ----- Structure Connection Table and map table if it contains
data.

SDA ----- All Structure Data (image, attributes, connection table and
map table if it contains data).

NOS ----- NO Structure data.

ENTER STRUCTURE FORMAT (SIM), NOS:nos

L7 STR

=> s l7 full

FULL SEARCH INITIATED 15:53:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 26536 TO ITERATE

100.0% PROCESSED 26536 ITERATIONS
SEARCH TIME: 00.00.04

4 ANSWERS

L9 4 SEA SSS FUL L7

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

140.28

307.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-3.10

FILE 'CAPLUS' ENTERED AT 15:53:48 ON 01 JUL 2002

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FILE COVERS 1907 - 1 Jul 2002 VOL 137 ISS 1
FILE LAST UPDATED: 30 Jun 2002 (20020630/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l9

L10 3 L9

=> d l10 1-3 abs ibib hitstr

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

AB QCH(OH)CH₂NHCR₁R₂CH₂OCH₂YAr [I; Ar = (un)substituted Ph; R₁, R₂ = H, C1-3

alkyl; X = bond, C1-7 alkylene, C2-7 alkenylene, alkynylene; Y = bond, C1-6 alkylene, C2-6 alkylene, alkynylene; Q = 3-substituted 4-HOC₆H₄, 5-hydroxy-6-(hydroxymethyl)-2-pyridinyl, OH-substituted Ph, optionally substituted by halo and their physiol. acceptable salts and solvates, useful as .beta.2-adrenoreceptor stimulators (no data), were prepd. by 5 methods. A mixt. of .alpha.-(aminomethyl)-2-phenyl-4H-1,3-dioxino[5,4-b]pyridine-6-methanol and 7-(2-phenylethoxy)-2-heptene was hydrogenated over 5% Pt/C and 10% Pd/C to give .alpha.-[1-methyl-6-(2-

phenylethoxy)hexyl]amino]methyl]-2-phenyl-4H-1,3-dioxino[5,4-b]pyridine-6-methanol which was hydrolyzed with N methanolic HCl and H₂O in MeOH 6 h at

50.degree. to give 3-hydroxy-.alpha.6-[[1-methyl-6-(2-phenylethoxy)hexyl]amino]methyl]-2,6-pyridinedimethanol-2HCl. Formulations for I in tablets, pressurized aerosol, and inhalation cartridges were given, e.g., I 2.0, microcryst. cellulose 196.5, and Mg stearate 1.5 mg per tablet.

ACCESSION NUMBER: 1988:55893 CAPLUS
DOCUMENT NUMBER: 108:55893
TITLE: Ethanolamine derivatives, their preparation, their use

as .beta.2-adrenoreceptor stimulators, and pharmaceutical compositions containing them
INVENTOR(S): Finch, Harry; Lunts, Lawrence Henry Charles; Naylor, Alan; Skidmore, Ian Frederick; Campbell, Ian Baxter; Middlemiss, David; Willbe, Charles

PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Eur. Pat. Appl., 28 pp.

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 220054	A2	19870428	EP 1986-307574	19861015
EP 220054	A3	19871202		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 62174041	A2	19870730	JP 1986-245148	19861015
US 4908386	A	19900313	US 1988-287441	19881220
CN 1048040	A	19901226	CN 1989-104065	19890615
PRIORITY APPLN. INFO.:			GB 1985-25478	19851016
			GB 1985-25479	19851016
			GB 1985-25480	19851016
			GB 1985-25481	19851016
			GB 1985-25485	19851016
			US 1986-919123	19861015

IT 111927-34-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for adrenoreceptor stimulant)

RN 111927-34-5 CAPLUS

CN Urea, [[5-[1-hydroxy-2-[[6-(4-phenylbutoxy)hexyl](phenylmethyl)amino]ethyl]-2-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

GI For diagram(s), see printed CA Issue.

AB Title compds. [I, R = H; R₁ = NO₂, NH₂, NH-acyl, CH₂OH, CH₂NNH₂, CH₂NH-acyl; Q = CH₂, CHOH, CO; R₂ = H; n = 4-8], useful as bronchial dilators, were prepd. Thus, 4,3-HO(NO₂)C₆H₃(CH₂)₂NNH₂ reacted with

PhCH₂Br in DMS and 2N NaOH at 85.degree. to give 4,3-(PhCH₂O)(NO₂)C₆H₃(CH₂)₂NNH₂ which condensed with PhCHO in PhMe to the Schiff base and was reduced by NaBH₄ to 4,3-(PhCH₂O)(NO₂)C₆H₃(CH₂)₂NNHCH₂Ph which reacted with Br(CH₂)₆Br to give I (R = R₂ = PhCH₂, R₁ = NO₂, Q = CH₂, n = 6), reduced by H₂NNH₂ to

I (R = R₂ = PhCH₂, R₁ = NH₂, Q = CH₂, n = 6), which was debenzylated by H in MeOH to give I (R = R₂ = H, R₁ = NH₂, Q = CH₂, n = 6).

ACCESSION NUMBER: 1973:526069 CAPLUS
DOCUMENT NUMBER: 79:126069

TITLE: N'-Bis[2-(4-hydroxyphenyl)ethyl]polymethylenediamin
es

INVENTOR(S): Colella, Donald Francis; Kaiser, Carl
PATENT ASSIGNEE(S): Smith Kline and French Laboratories
SOURCE: Ger. Offen., 40 pp.

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2227022	A	19721214	DE 1972-2227022	19720602
DE 2227022	C2	19830113		
ZA 7203611	A	19730328	ZA 1972-3611	19720526
BE 784105	A1	19721129	BE 1972-118024	19720529
GB 1370066	A	19741009	GB 1972-25269	19720530
GB 1370068	A	19741009	GB 1974-14825	19720530
GB 1370067	A	19741009	GB 1974-14824	19720530
CA 1044699	A1	19781219	CA 1972-143419	19720530
AU 7242965	A1	19731206	AU 1972-42965	19720531
FR 2140149	A1	19730112	FR 1972-19677	19720601
JP 56014656	B4	19810406	JP 1972-55003	19720601
US 3933913	A	19760120	US 1972-287399	19720908
US 4024281	A	19770517	US 1975-623130	19751016
PRIORITY APPLN. INFO.:			US 1971-148912	19710601
			ZA 1972-3611	19720525
			SA 1972-3611	19720526
			US 1972-287399	19720908

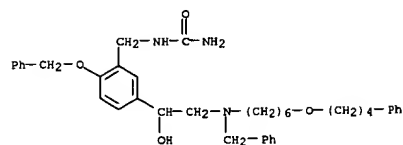
IT 49640-07-5P 49840-46-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 49640-07-5 CAPLUS

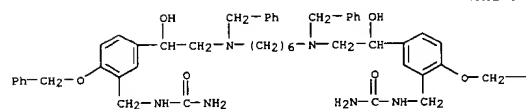
CN Urea, N,N'-[1,6-hexanediylbis[(phenylmethyl)imino](1-hydroxy-2,1-ethanediyl)[6-(phenylmethoxy)-3,1-phenylene]methylene]bis- (9CI) (CA INDEX NAME)

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS (Continued)



L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1-A

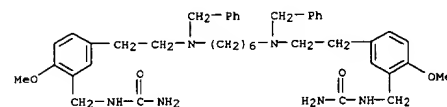


PAGE 1-B

— Ph

RN 49840-46-2 CAPLUS

CN Urea, N,N'-[1,6-hexanediylbis[(phenylmethyl)imino]-2,1-ethanediyl[6-methoxy-3,1-phenylene]methylene]bis- (9CI) (CA INDEX NAME)



L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

AB Me 5-(2-aminoethyl)salicylate-HCl in EtOH was treated with NaOH and BzH, and NaBH₄ added to give Me 5-[2-(benzylamino)ethyl]salicylate (I)-HCl. I was reduced with LiAlH₄ in THF to give, after addn. of HOAc, 5-[2-(benzylamino)ethyl]saligenin acetate. Among 16 examples of the

title deriva. were [5-(2-aminoethyl)-2-hydroxyphenyl]urea-HCl, N-[5-(2-aminopropyl)salicyl]methanesulfonamide, and 5'-[2-[[3-(p-methoxyphenyl)-1-methylpropyl]amino]ethyl]-2'-hydroxyformanilide.

ACCESSION NUMBER: 1971:435408 CAPLUS

DOCUMENT NUMBER: 75:35408

TITLE: Hypotensive phenethylamine derivatives

INVENTOR(S): Jack, David; Hartley, David; Lunts, Lawrence H. C.

PATENT ASSIGNEE(S): Allen and Hanbury Ltd.

SOURCE: S. African, 31 pp.

CODEN: SFXKAB

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 7003451	A	19710127	ZA 1970-3451	19700521
GB 1263987	A	19720216	GB 1969-27407	19690530
CA 960690	A1	19750107	CA 1970-83555	19700521
US 3689524	A	19720905	US 1970-41053	19700527
SE 372934	B	19750120	SE 1970-7377	19700528
BE 751190	A	19701130	BE 1970-751190	19700529
NL 7007861	A	19701202	NL 1970-7861	19700529
FR 2051566	A1	19710409	FR 1970-19818	19700529
FR 2051566	A5	19710409		
CH 536815	A	19730629	CH 1970-8021	19700529
DK 130921	B	19750505	DK 1970-2776	19700529
JP 53030701	B4	19780829	JP 1970-46846	19700530
US 3803230	A	19740409	US 1972-254808	19720518
JP 54007782	B4	19790410	JP 1978-9193	19780130

PRIORITY APPLN. INFO.:

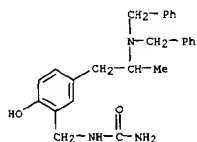
GB 1969-27407 19690530
US 1970-41053 19700527

IT 32550-86-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 32550-86-0 CAPLUS

CN Urea, [5-[2-(dibenzylamino)propyl]salicyl]- (8CI) (CA INDEX NAME)



=> fil reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
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STRUCTURE FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6
DICTIONARY FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> logoff y
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-4.96

STN INTERNATIONAL LOGOFF AT 15:59:53 ON 01 JUL 2002